

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

11/09/11

Nicole Starrett  
Assistant District Attorney, Essex County

Dear ADA Nicole Starrett,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
[REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Lisa Glazer and Annie Dookhan.
3. Control Cards with analytical results for sample # [REDACTED]
4. Analysis sheets with chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for sample # [REDACTED]

GC/MS testing was performed by Annie Dookhan. All other analyses were performed by Lisa Glazer. If you have any questions about these materials, please call me at the number below.

Sincerely,

Lisa Glazer  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6632

## Curriculum Vitae

Lisa A. Glazer

### Education

**Bachelor of Science Degree, CHEMISTRY January 2006**

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

**Bachelor of Science Degree, FORENSIC SCIENCE January 2006**

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

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### Employment

**Chemist I, II State Laboratory Institute (May 2007-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

**Laboratory Technician I (August 2006 – May 2007)**

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

**Intern (September 2005 – November 2005)**

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

## Curriculum Vitae

Annie Khan (Dookhan)

### Education:

University of Massachusetts, Boston, Ma., Master of Science in Chemistry, (present)  
University of Massachusetts, Boston, Ma., Bachelor of Science in Biochemistry, 2001

### Experience:

2003 – present

Chemist II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.
- \*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of analytical instruments.
- \*Maintain the Quality Control of analytical instruments and controls/standards.
- \* Maintain the Quality Control/Quality Assurance program for the drug lab.
- \*Notary Public

2001 – 2003

QC Analyst II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the Massachusetts Biologic Laboratory, Quality Control and Quality Assurance Department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Method Development for creating new techniques for the QC Department.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

GLP/GMP course with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC course with Agilent Technologies and Restek.  
HPLC course with Waters Cooperation.  
FTIR course with Spectros.  
TOC training with Massachusetts Biologic Laboratory and Sievers.

### Association:

American Chemical Society (ACS)

*The Commonwealth of Massachusetts*  
*Executive Office of Health and Human Services*  
*Department of Public Health*  
*State Laboratory Institute*

LAG/ASD

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

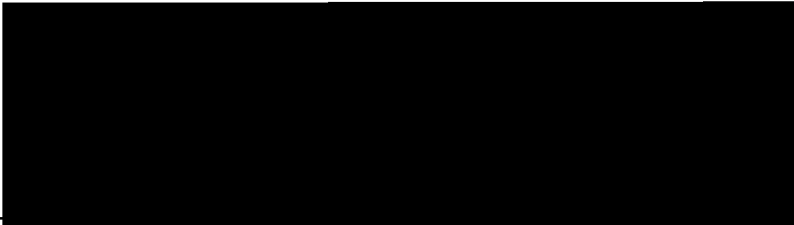
1:00 – 3:00

**DRUG RECEIPT**

City or Department: LYNN Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DET. MARK RICHMOND

Defendant(s) Name (last, first, initial):



To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

2	PB	BP	(HEROIN)	2.37g	[REDACTED]
1	PB	WP	(COCAINE)	2.04g	[REDACTED]

Received by: [Signature] Date: 2-13-09

No. [REDACTED]  
City: Lynn Police Dept.  
Officer: Detective MARK RICHMOND  
Def: [REDACTED]

Date Analyzed: 10-22-09

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 02/13/2009

No. Analyzed: 1

Gross Wt.: 2.37 ✓

Net Weight: 0.25g

# Tests: 4

Prelim:

Heroin

Findings:

2 ASD  
Heroin

GCM 80  
G1021095

# DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Lynn

ANALYST

AKG

No. of samples tested:

①

Evidence Wt.

✓

## PHYSICAL DESCRIPTION:

signed & sealed

Gross Wt ( 2 ):

0.9729g

Gross Wt ( 1 ):

0.4794g

Pkg. Wt:

0.2244g

Net Wt:

0.2550g

- 2 pb's w/ brown powdery substance each in another pb

- pb's similar in size

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate (

⊕ blue specks

Marquis

⊕ purple

Froehde's

⊕ purple

Mecke's

⊕ green

### Microcrystalline Tests

Gold Chloride

TLTA ( )

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS

Heroin

DATE

10/18/09

AKG  
10/19/09

## GC/MS CONFIRMATORY TEST

RESULTS

Heroin

MS OPERATOR

ASD

DATE

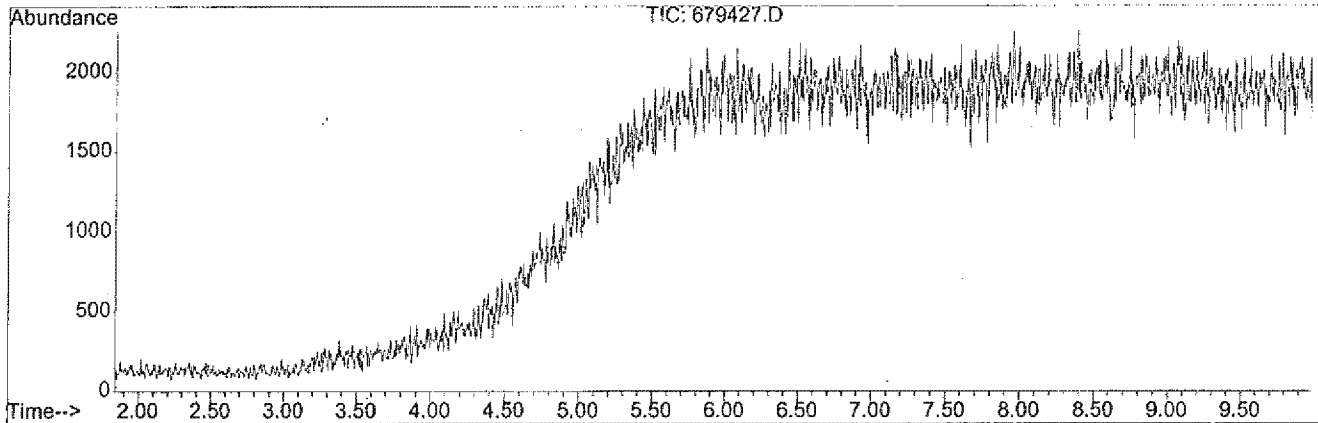
10/22/09

# Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679427.D  
Operator : ASD  
Date Acquired : 21 Oct 2009 15:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ ASD  
1-22-10



Ret. Time	Area	Area %	Ratio %
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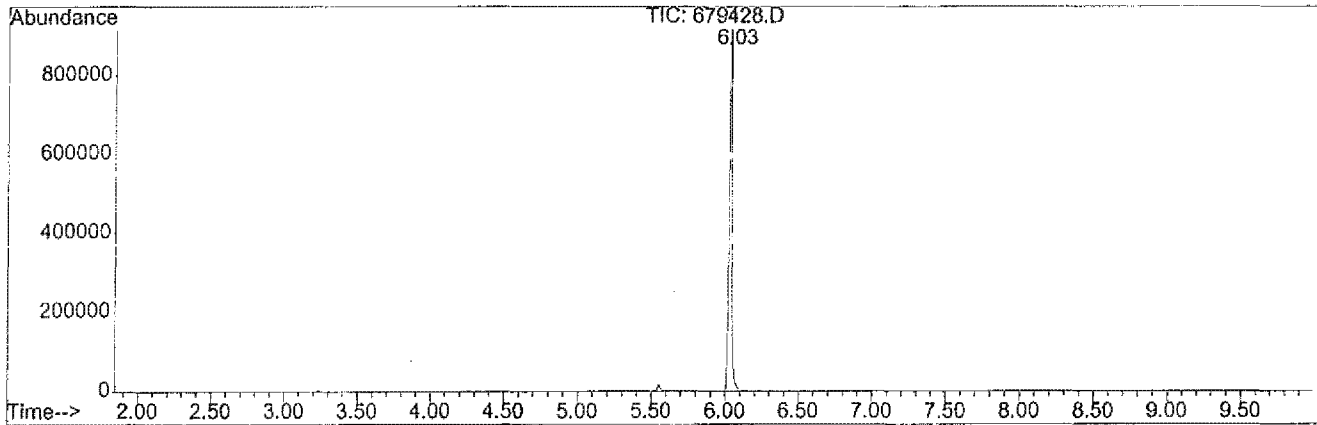
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679428.D  
Operator : ASD  
Date Acquired : 21 Oct 2009 15:31  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 28  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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# Area Percent / Library Search Report

**Information from Data File:**

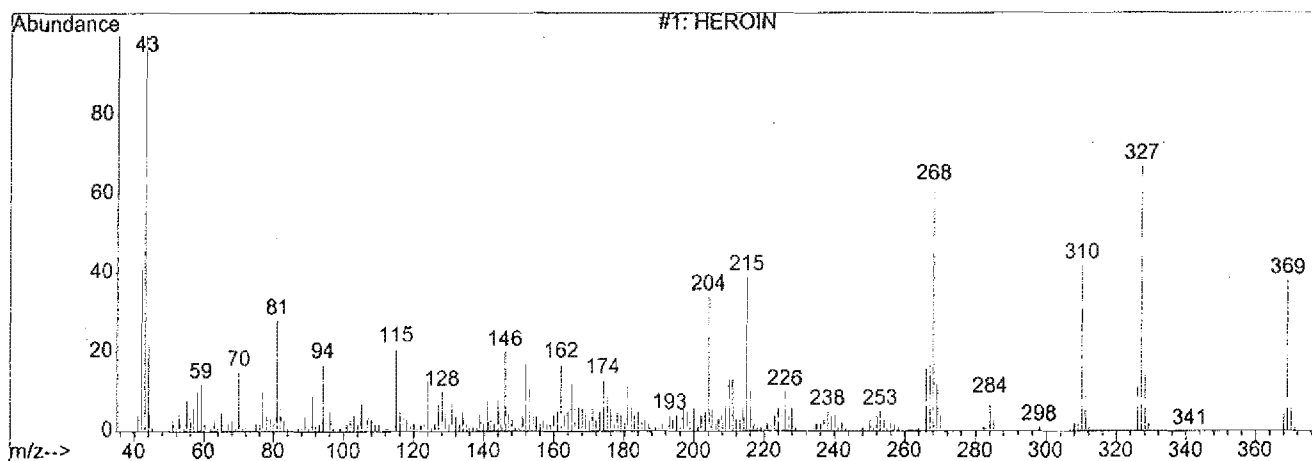
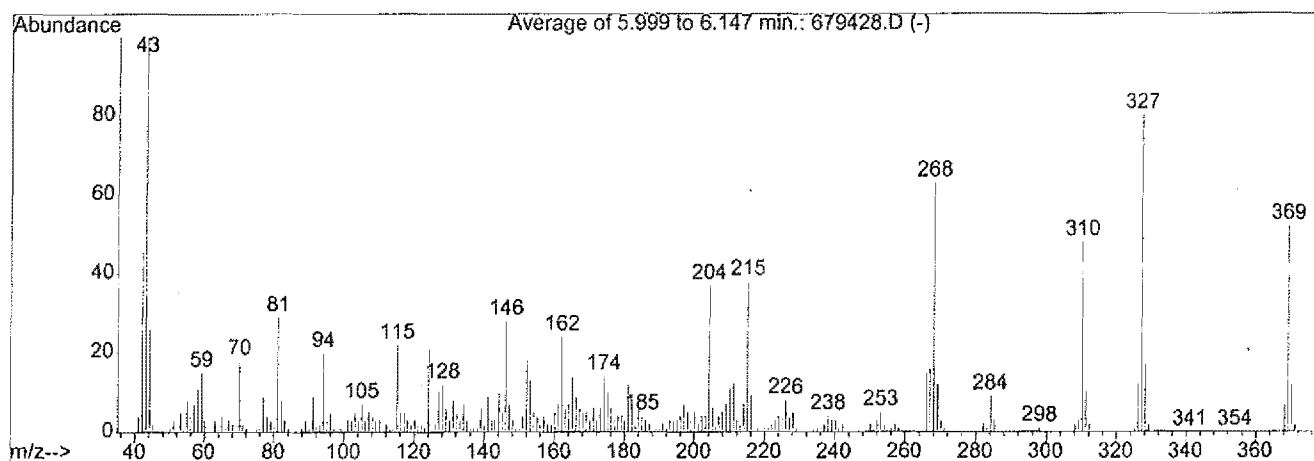
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File Name       : F:\Q4-2009\SYSTEM 7\10_21_09\679428.D
Operator        : ASD
Date Acquired   : 21 Oct 2009   15:31
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 28
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.03	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



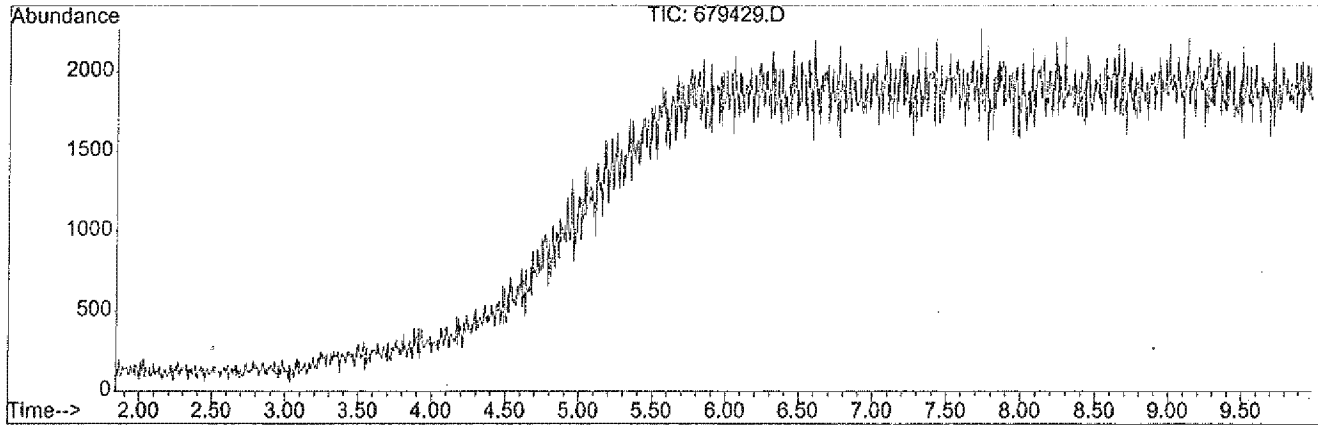
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 21 Oct 2009 15:44  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

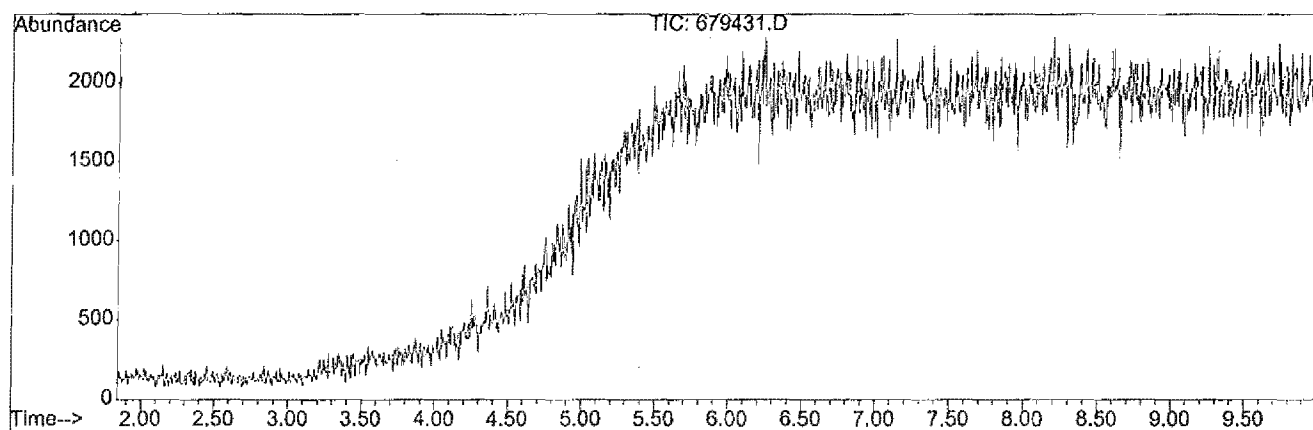
# Area Percent / Library Search Report

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File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679431.D  
Operator : ASD  
Date Acquired : 21 Oct 2009 16:09  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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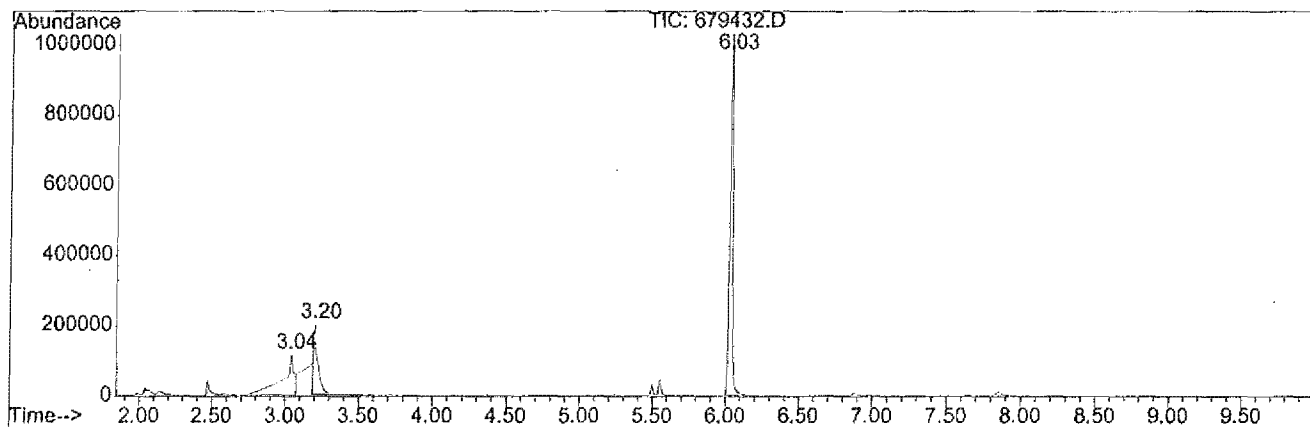
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

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 Operator : ASD  
 Date Acquired : 21 Oct 2009 16:22  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 32  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.039	654050	25.95	45.03
3.203	414325	16.44	28.53
6.031	1452394	57.62	100.00

# Area Percent / Library Search Report

**Information from Data File:**

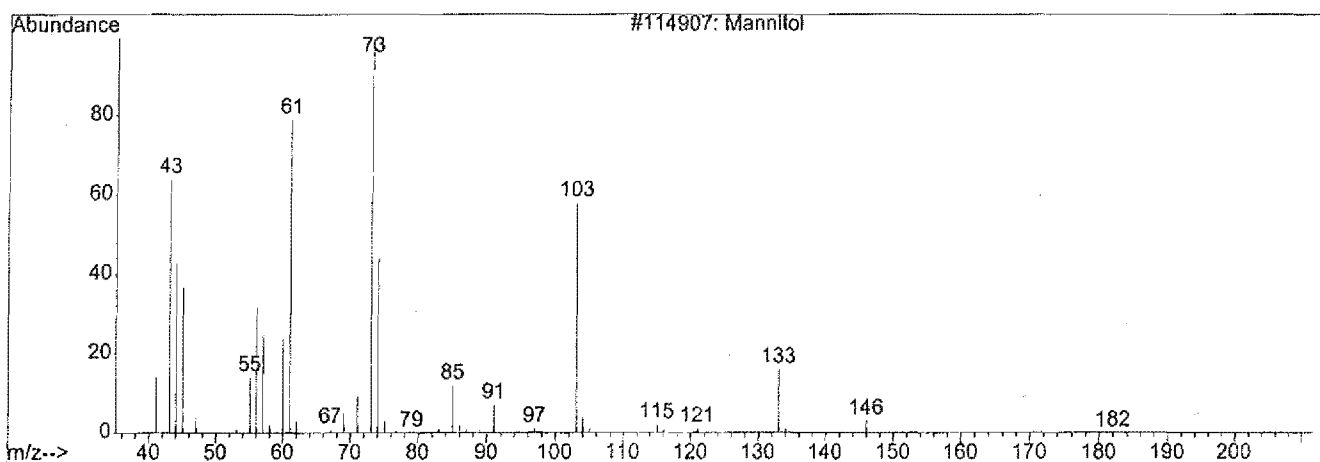
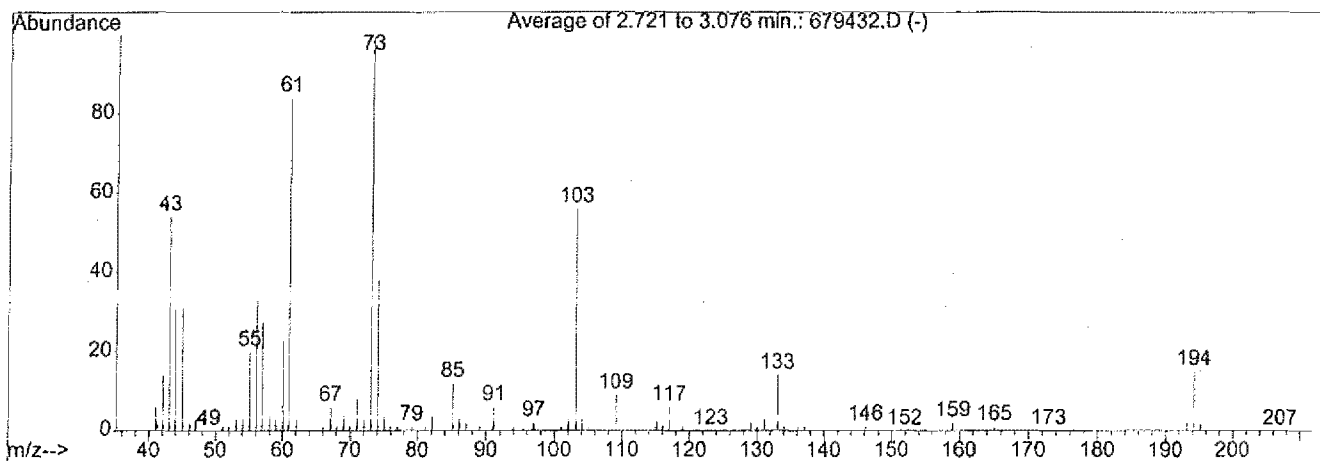
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File Name       : F:\Q4-2009\SYSTEM 7\10_21_09\679432.D
Operator        : ASD
Date Acquired   : 21 Oct 2009  16:22
Sample Name     : ██████████
Submitted by    : LAG
Vial Number     : 32
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

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Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	3.04	C:\DATABASE\NIST98.L		
		Mannitol	000069-65-8	91
		Sorbitol	000050-70-4	90
		Sorbitol	000050-70-4	83



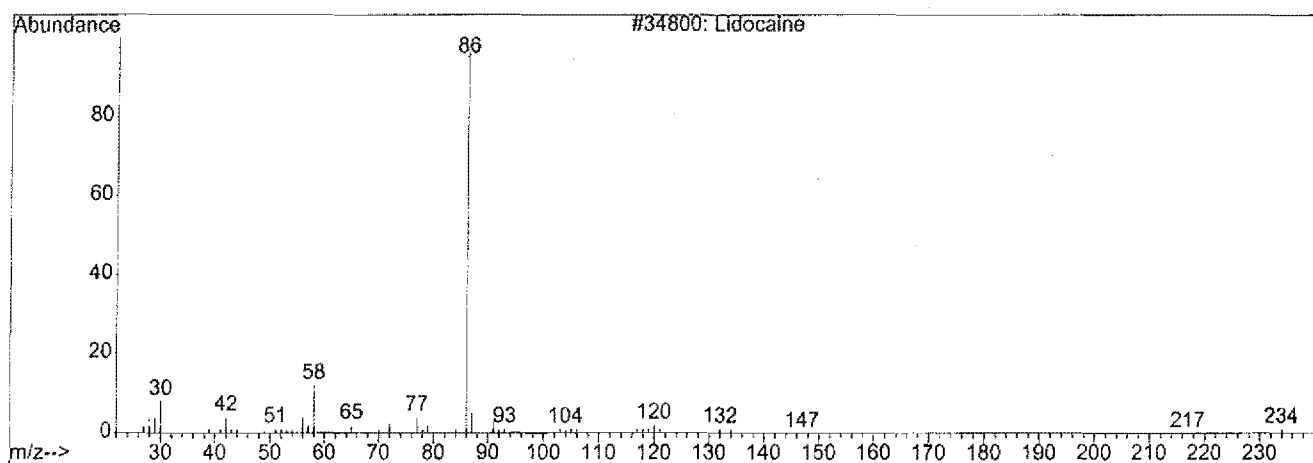
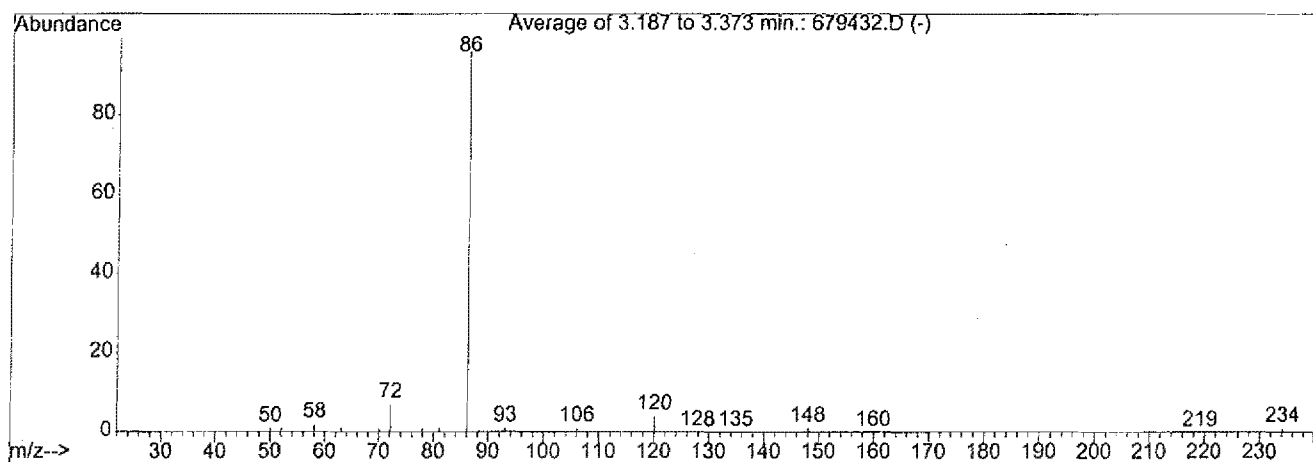
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679432.D  
 Operator : ASD  
 Date Acquired : 21 Oct 2009 16:22  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 32  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	3.20	C:\DATABASE\NIST98.L		
		Lidocaine	000137-58-6	56
		Benzamide, 4-amino-N-[2-(diethylami	000051-06-9	5
		3-Methyl-benzoic acid, 2-diethylami	1000193-23-5	4



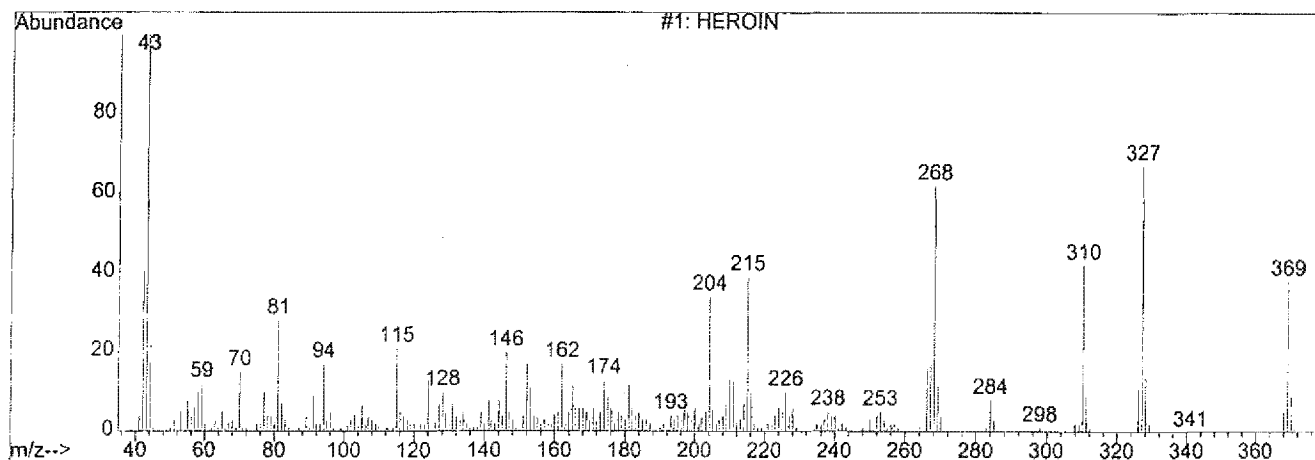
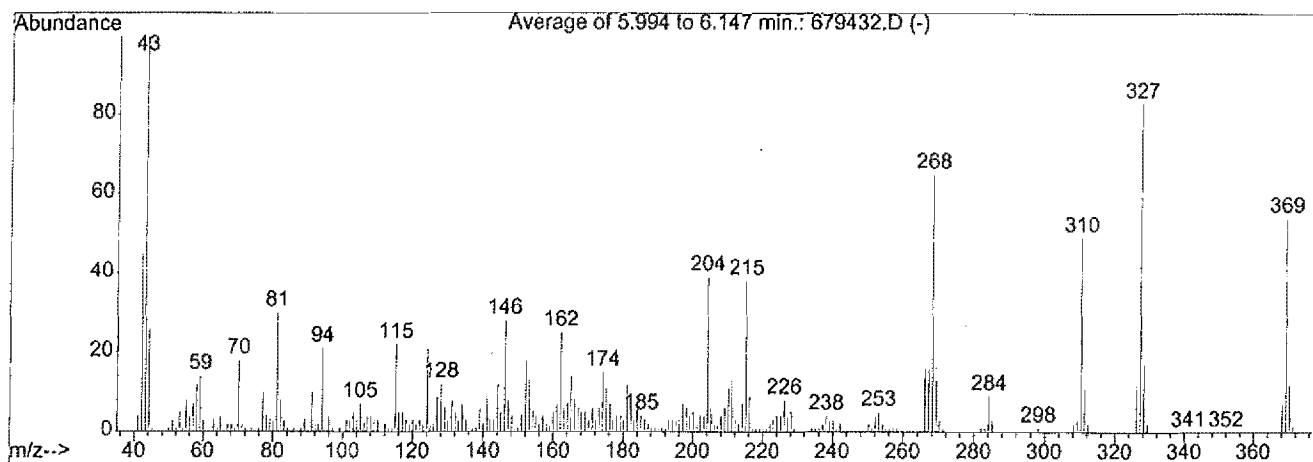
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679432.D  
 Operator : ASD  
 Date Acquired : 21 Oct 2009 16:22  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 32  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
3	6.03	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





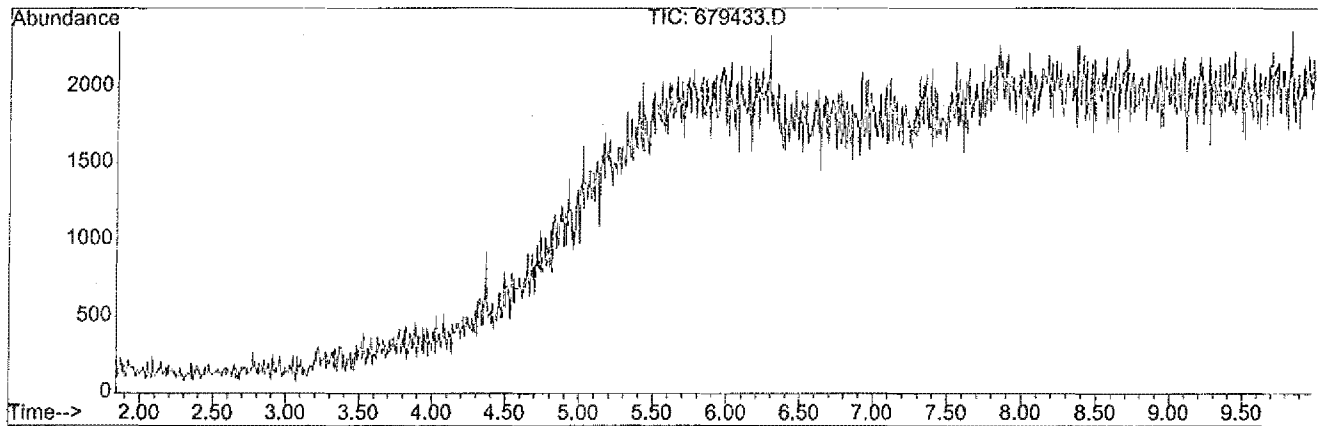
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 21 Oct 2009 16:34  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

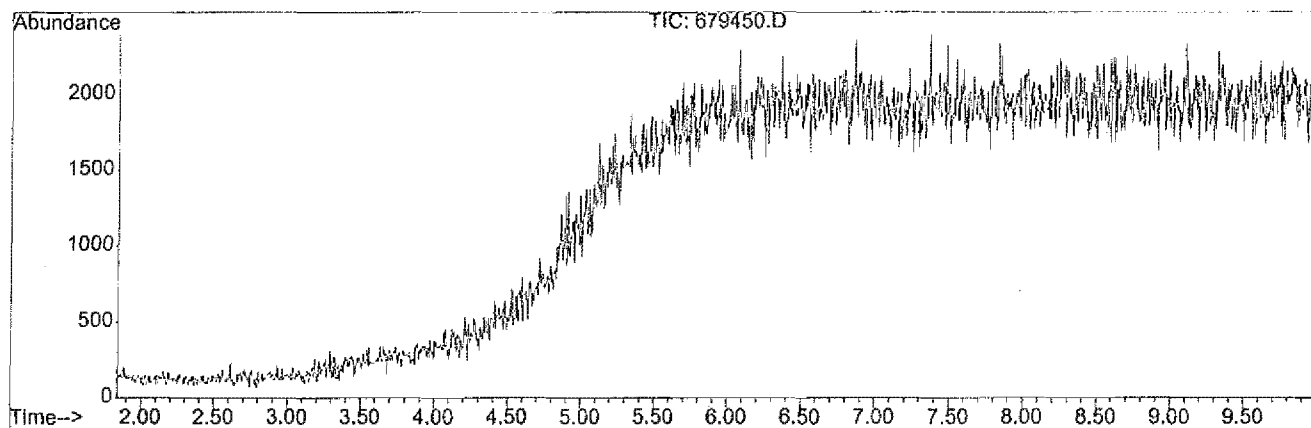
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 21 Oct 2009 20:09  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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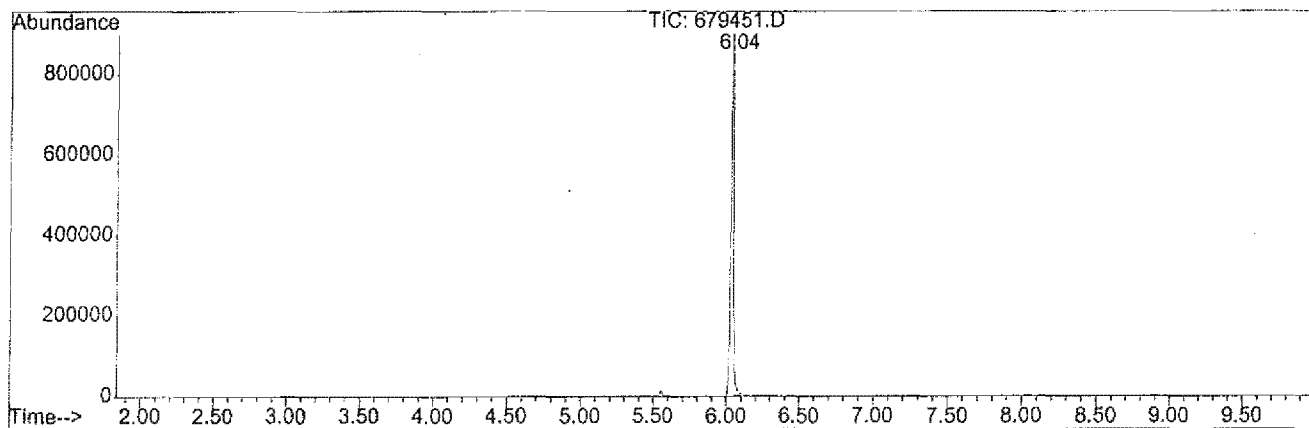
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679451.D  
 Operator : ASD  
 Date Acquired : 21 Oct 2009 20:22  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 51  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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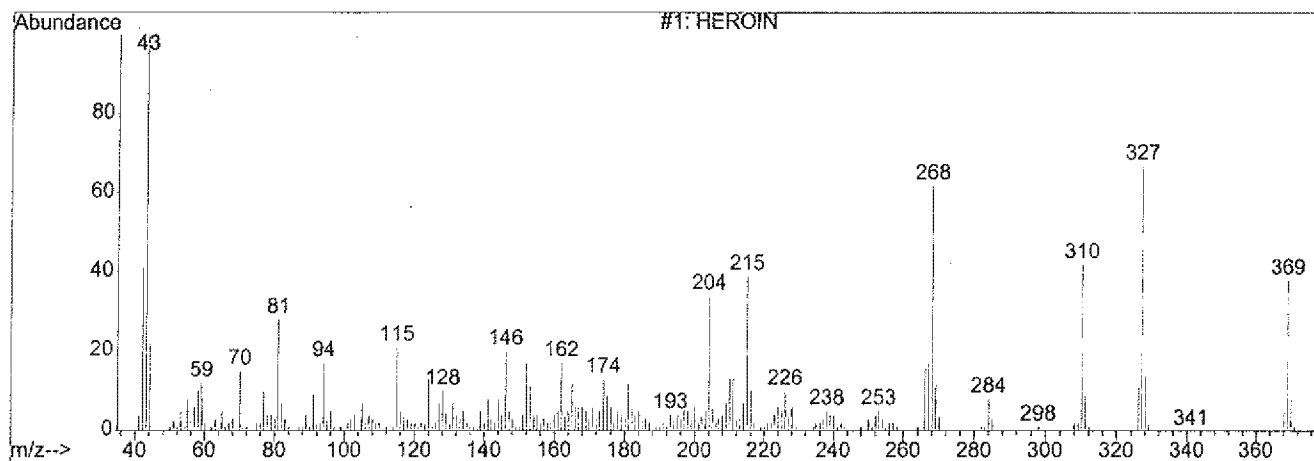
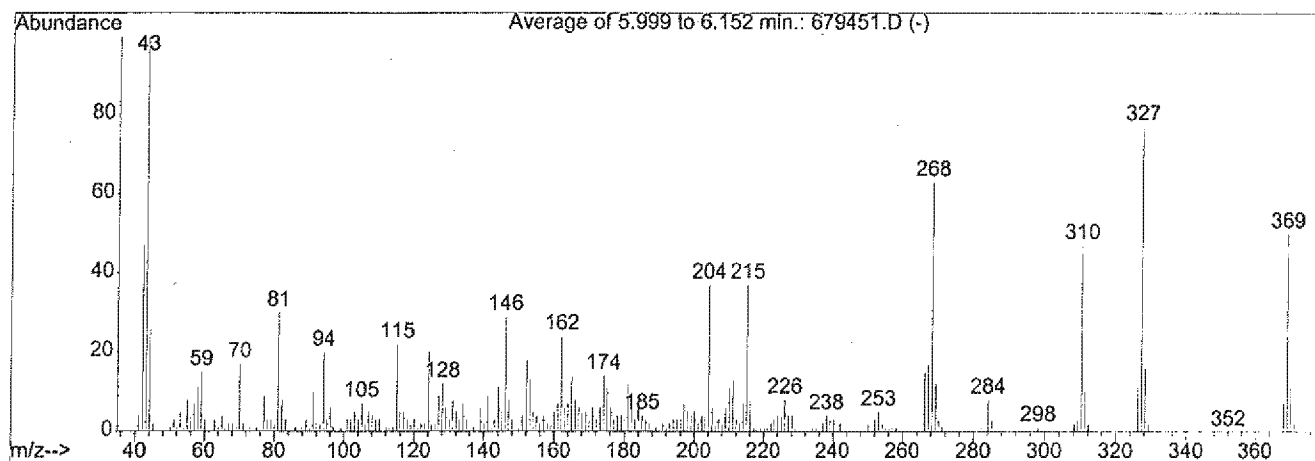
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679451.D  
 Operator : ASD  
 Date Acquired : 21 Oct 2009 20:22  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 51  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.04	C:\DATABASE\SLI.L HEROIN	000561-27-3	94



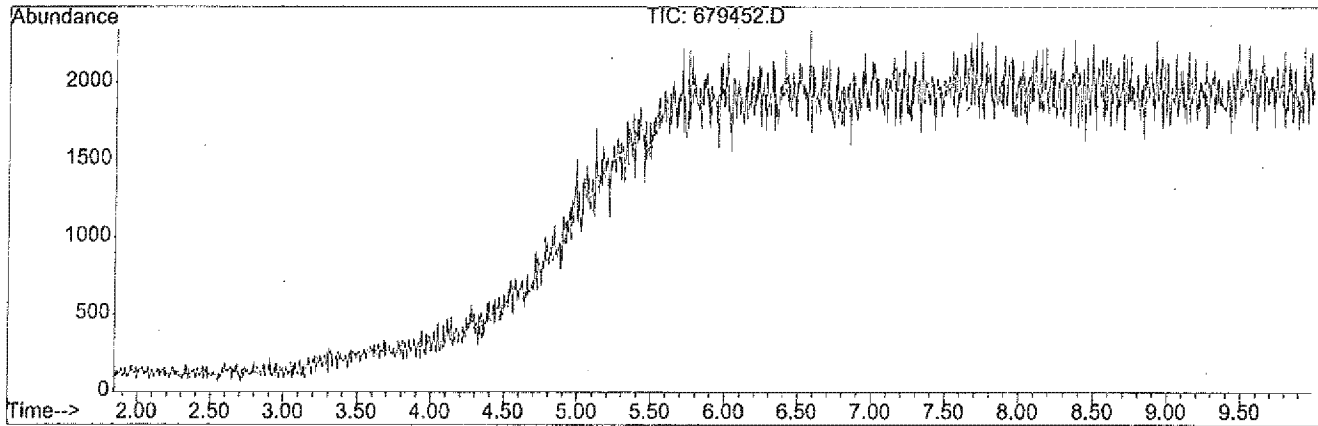
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2009\SYSTEM 7\10\_21\_09\679452.D  
Operator : ASD  
Date Acquired : 21 Oct 2009 20:35  
Sample Name : BLANK  
Submitted by : CBS  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*